# Journal of Classification

Phipps Arabie, Editor

Lynn Bilger, Technical Editor Phipps Arabie, Editor Department of Psychology University of Illinois 603 E. Daniel St. Champaign, IL 61820, USA

### **Editorial Board**

H.-H. Bock, Aachen, FRG J. D. Carroll, Murray Hill, NJ, USA I. Dahlberg, Frankfurt, FRG W. H. E. Day, St. John's, Nfld, Canada J. de Leeuw, Leiden, The Netherlands

D. Defays, Arlon, Belgium

G. De Soete Ghent, Belgium **J. Felsenstein**, Seattle, WA, USA

O. Frank, Stockholm, Sweden

**J. C. Gower**, Harpenden Herts, UK

R. L. Graham,

Murray Hill, NJ, USA

P. E. Green,

Philadelphia, PA, USA

J. A. Hartigan,

New Haven, CT, USA

C. Hayashi, Tokyo, Japan

E. W. Holman,

Los Angeles, CA, USA

L. J. Hubert,

Santa Barbara, CA, USA

**D. Hull**, Milwaukee, WI, USA

M. Jambu, Issy-les-Moulineaux, France

J. B. Kruskal,

Murray Hill, NJ, USA

W. J. Krzanowski,

Reading, UK

N. Lauro, Naples, Italy

R. F. Ling, Clemson, SC, USA

D. W. Matula, Dallas, TX, USA

B. Monjardet, Paris, France

F. Murtagh, Munich, FRG

A. Rizzi, Rome, Italy

F. J. Rohlf, Stony Brook, NY, USA

G. Saporta, Paris, France

P. H. A. Sneath, Leicester, UK

R. R. Sokal,

Stony Brook, NY, USA

H. Späth, Oldenburg, FRG

Y. Takane, Montreal, Que. Canada

L. R Tucker, Champaign, IL, USA

Published for the
CLASSIFICATION SOCIETY OF NORTH AMERICA
by

Springer-Verlag New York



Berlin Heidelberg Tokyo

ISSN: 0176-4268

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions, also in microform, is transferred to the publisher.

The use of registered names, trademarks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Printed in the United States of America © 1986 by Springer-Verlag New York Inc.

### Index to Volume 3

### **Authors of Articles**

NEUMANN, D. A.: On Lattice Consensus Methods225
NORTON, V. T., JR.: see Neumann, D. A
NORTON, V. T., JR.: see Neumann, D. A
RUBINSTEIN, A.: see Fishburn, P. C61
SANKOFF, D.: see Constantinescu, M
STINEBRICKNER, R.: s-Consensus Index Method: An Additional Axiom
ZEGERS, F. E.: Two Classes of Element-Wise Transformations Preserving the Psd Nature of Coefficient Matrices
Authors of Books Reviewed
ALDENDERFER, M. S.: Cluster Analysis
AMATO, P. A.: see Smithson, M
BENDER, D.: see Ohly, H. P
BLASHFIELD, R. K.: see Aldenderfer, M. S
Воск, НН.: see Ohly, Н. Р
CANTER, D., Ed.: Facet Theory: Approaches to Social Research
DAVISON, M. L.: Multidimensional Scaling
FLEISHMAN, E. A.: Taxonomies of Human Performance
Greenacre, M. J.: Theory and Application of Correspondence Analysis
HEYWOOD, V. H., Ed.: Current Concepts in Plant Taxonomy167
LENSTRA, J. K., Ed.: see O'hEigeartaigh, M
MOORE, D. M., Ed.: see Heywood, V. H
Mukherjee, R.: Classification in Social Research
O'HEIGEARTAIGH, M., Ed.: Combinatorial Optimization: Annotated Bibliographies
Ohly, H. P.: Software zur Clusteranalyse, Netzwerkanalyse und Verwandten Verfahren: Eine Commentierte Dokumentation169
PEARCE, P.: see Smithson, M
PIELOU, E. C.: Interpretation of Ecological Data: A Primer on Classification and Ordination

QUAINTANCE, M. K.: see Fleishman, E. A
RINNOOY KAN, A. H. G., Ed.: see O'hEigeartaigh, M
SEBER, G. A. F.: Multivariate Observations
SMITHSON, M.: Dimensions of Helping Behavior
Reviewers of Books
Critchley, F.: Multidimensional Scaling, by M. L. Davison158
CRITCHLEY, F.: Multivariate Observations, by G. A. F. Seber135
DAY, W. H. E.: Combinatorial Optimization: Annotated Bibliogra- phies, M. O'hEigeartaigh, J. K. Lenstra, and A. H. G. Rinnooy Kan, Eds
ESTABROOK, G. F.: Current Concepts in Plant Taxonomy, V. H. Heywood and D. M. Moore, Eds
FEGER, H.: Dimensions of Helping Behavior, by M. Smithson, P. A. Amato, and P. Pearce
JONES, C. L.: Classification in Social Research, by R. Mukherjee173
JONES, L. E.: Facet Theory: Approaches to Social Research, D.  Canter, Ed
KENDALL, A. J.: Cluster Analysis, by M. S. Aldenderfer and R. K.  Blashfield
SAPORTA, G.: Theory and Application of Correspondence Analysis, by M. J. Greenacre
SEN, T. K.: Taxonomies of Human Performance, by E. A. Fleishman and M. K. Quaintance
Sonquist, J. A.: Software zur Clusteranalyse, Netzwerkanalyse und Verwandten Verfahren: Eine Commentierte Dokumentation, by H. P. Ohly, HH. Bock, and D. Bender
Swofford, D. L.: Interpretation of Ecological Data: A Primer on Classification and Ordination, by E. C. Pielou

## Have you seen it? Have you read it?

## Intelligencer

If you haven't seen **The Mathematical Intelligencer** recently, you've missed its fine reporting on mathematics, mathematicians, and the profession itself. With a lively and informal style, **The Intelligencer** explores a wide range of topics relevant to mathematics, its people, theorems, philosophy, and history. Researchers, students and teachers enjoy **The Intelligencer**. You will too.

### Here's what you would have read in a recent issue\*:

K. Appel and W. Haken, "The Four Color Proof Suffices"

Abe Shenitzer, "Some Thoughts on Teaching Mathematics"

Ronnie Lee and Steven H. Weintraub, "An Interesting Algebraic Variety"

Robert Hermann, "Mathematics and Bourbaki"

O.M. Fomenko and G.V. Kuz'mina, "The Last 100 Days of the Bieberbach Conjecture" E.W. Dijkstra, "On a Cultural Gap"

Lenore Feigenbaum, "Happy Tercentenary, Brook Taylor!"

Judita Cofman, "Thoughts Around an International Camp for Young Mathematicians"

Regular Departments

50 & 100 Years Ago

Letters

Problem Corner

Who Dunn It?

The Evidence

\*Volume 8, No. 1 (1986)

Intelligencer

Title no. 283 ISSN 0343-6993

Edited by John Ewing and Ian Stewart

Springer-Verlag New York, Inc.

4 issues: \$21.95 8 issues: \$36.95

Attn.: C. Deno 175 Fifth Avenue New York, NY 10010



Springer-Verlag New York Berlin Heidelberg Tokyo